

File Name: SY-12

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14:29 ('Original Created: 01-01-22

Data:

Abs.

Measuring Mode:

FIG.1

Scan Speed: Fast Slit Width: 1.0 Sampling Interval: 0. 2

Result - (Area • Factor) / Divisor

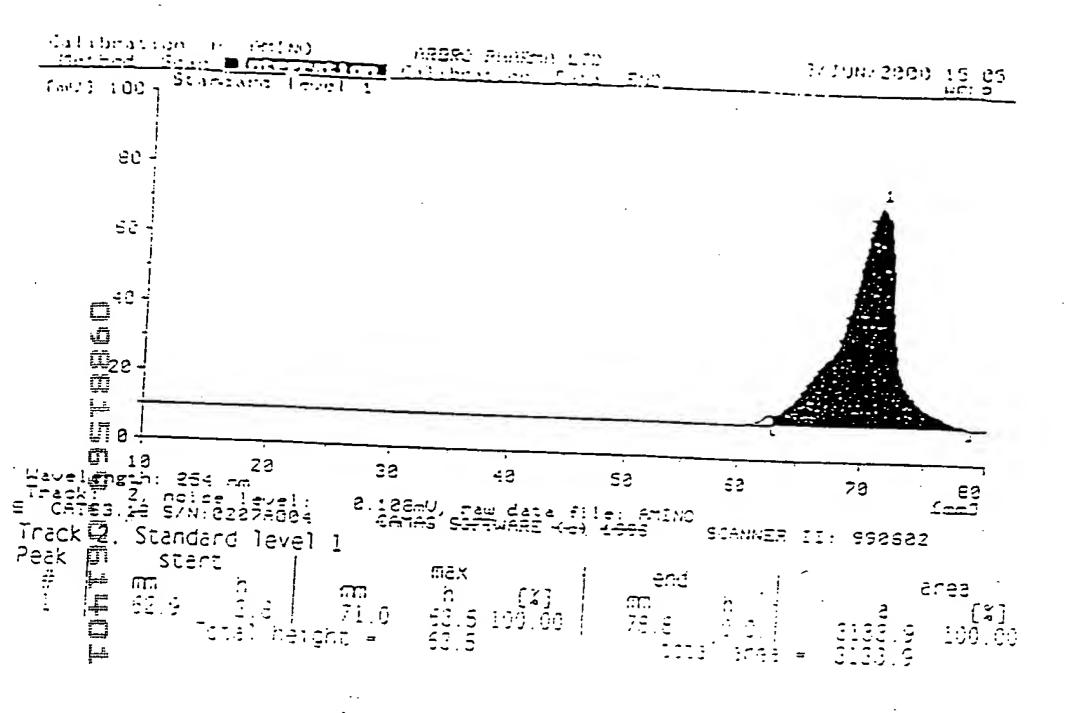
0.000 Factor =

Region Divisor Start End Result Area

CAMAG REC Evaluation Sereward

ARBRO PHARMACEUTICALS LTD 6/14 KIRTI NAGAR INDUSTRIAL AREA NEW DELHI PHONE:5467228.515-0437.FAX:91-11-5453784.F-mail:arbro@vsnl.com

ESTIMATION OF L-LYSINE BY HPTLC



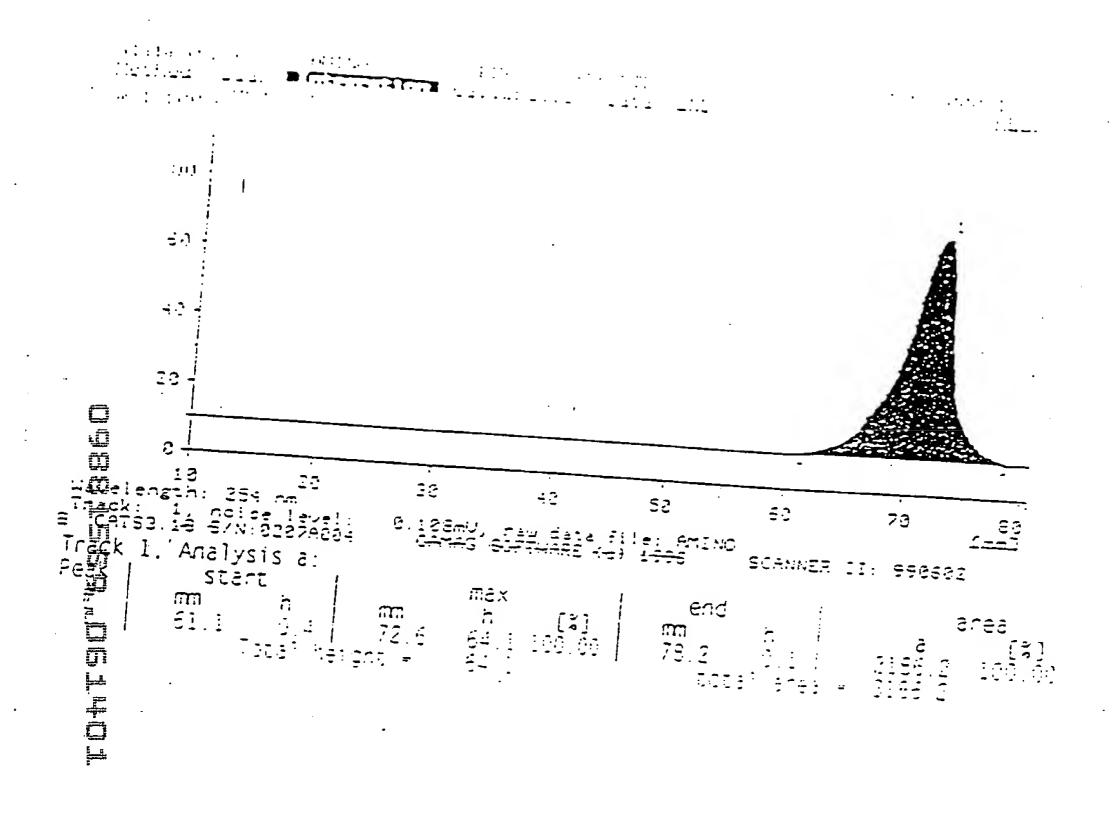


FIG.2(c)

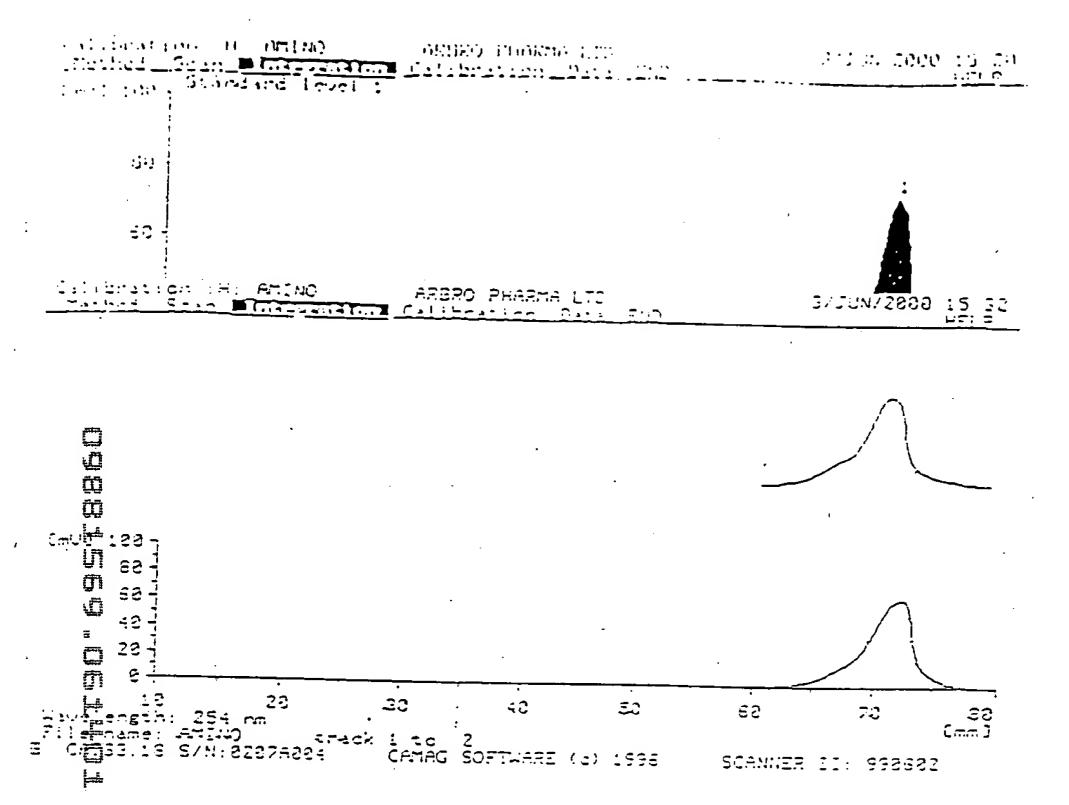


FIG.2(d)

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SUBMITTER: PUSHPA KHANNA

SAMPLE NAME : GOURDIN

DATE:

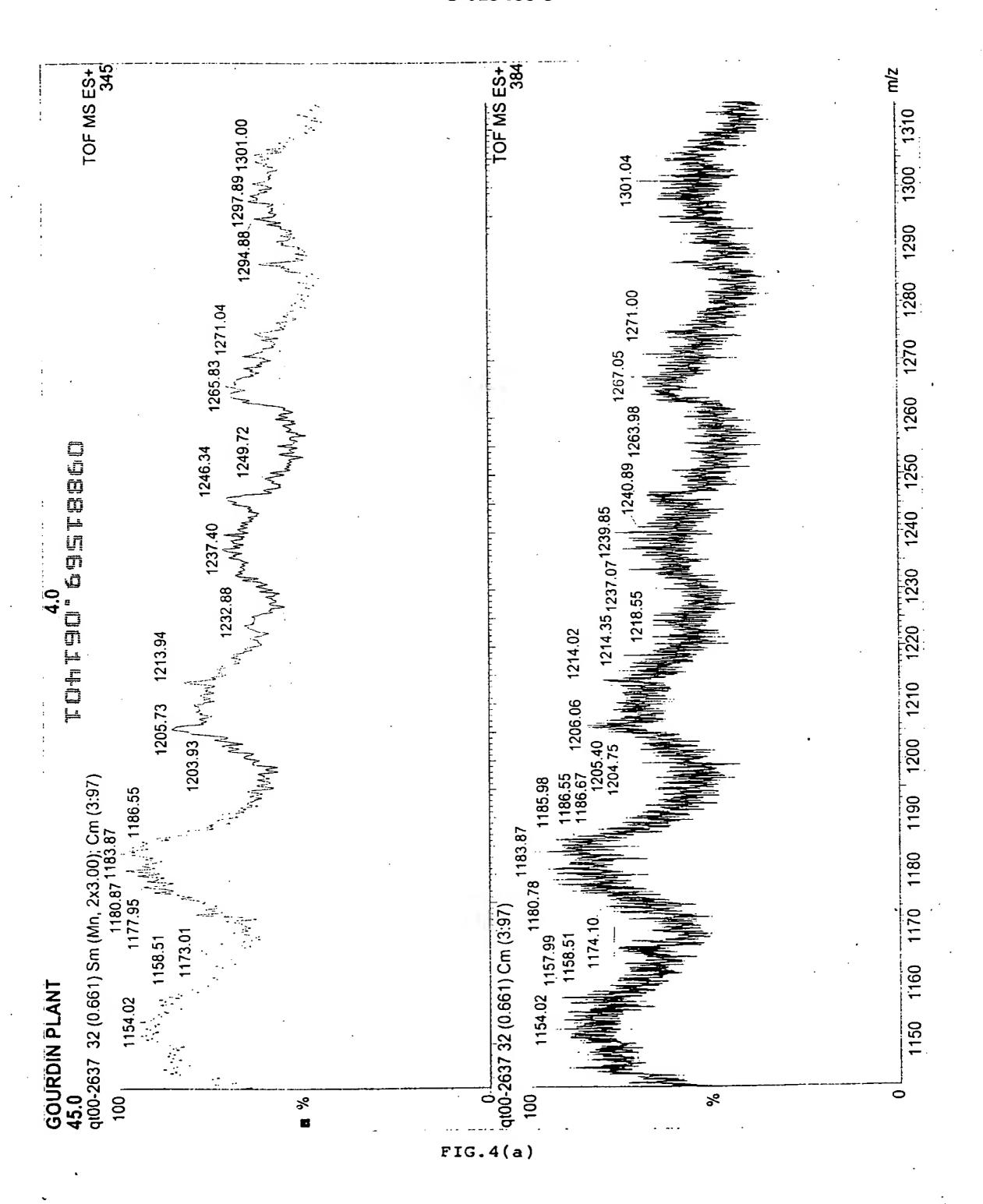
HIS ASP LEU TYR **ARG** SER VAL SER GLN GLN VAL _GLY - GLN - GLN GLY- ILE - GLU-GLU-THR - THR SEQUENCE: THR LEU CYCLE #: 2 3 4 5 6 7 1 8 9 ARG GLY HIS HIS ASP TYR ARG ARG ARG ALA GLU ASN LYS ILE MET ASN THR HIS ARC, = LEU = LYS = TYR-ASP = ILE = LEU = ASP = ALA SEQUENCE: CYCLE #: 10 11 13 14 15 12 16 17 18 SER PRO GLU SER ARG GLU THR HIS LEU ARG PRO ILE LEU PHE SER ALA ÁRG LYS - GLU - ALA - ASP ILE - TYR - ASN - HIS - GLY SEQUENCE: 26 CYCLE #: 20 21 22 23 19 24 25 27 GLY VAL **PRO** VAL LEU ASN ILE ALA ALA - GLY - ARG - ILE - SER - THR - VAL - ASN SEQUENCE: CYCLE #: 29 28 30 31 32 33 34 35 98.11 YIELD (pmol): ILE(2) YIELD(pmol): GLU(3) 56.13 CARRYOVER: ILE(6) 22.6% REP YIELD: ILE(2,23) 92.3% 2.30 SEQSTD CARRYOVER : NL(6) SEQSTD YIELD :NL(6) 23.0%

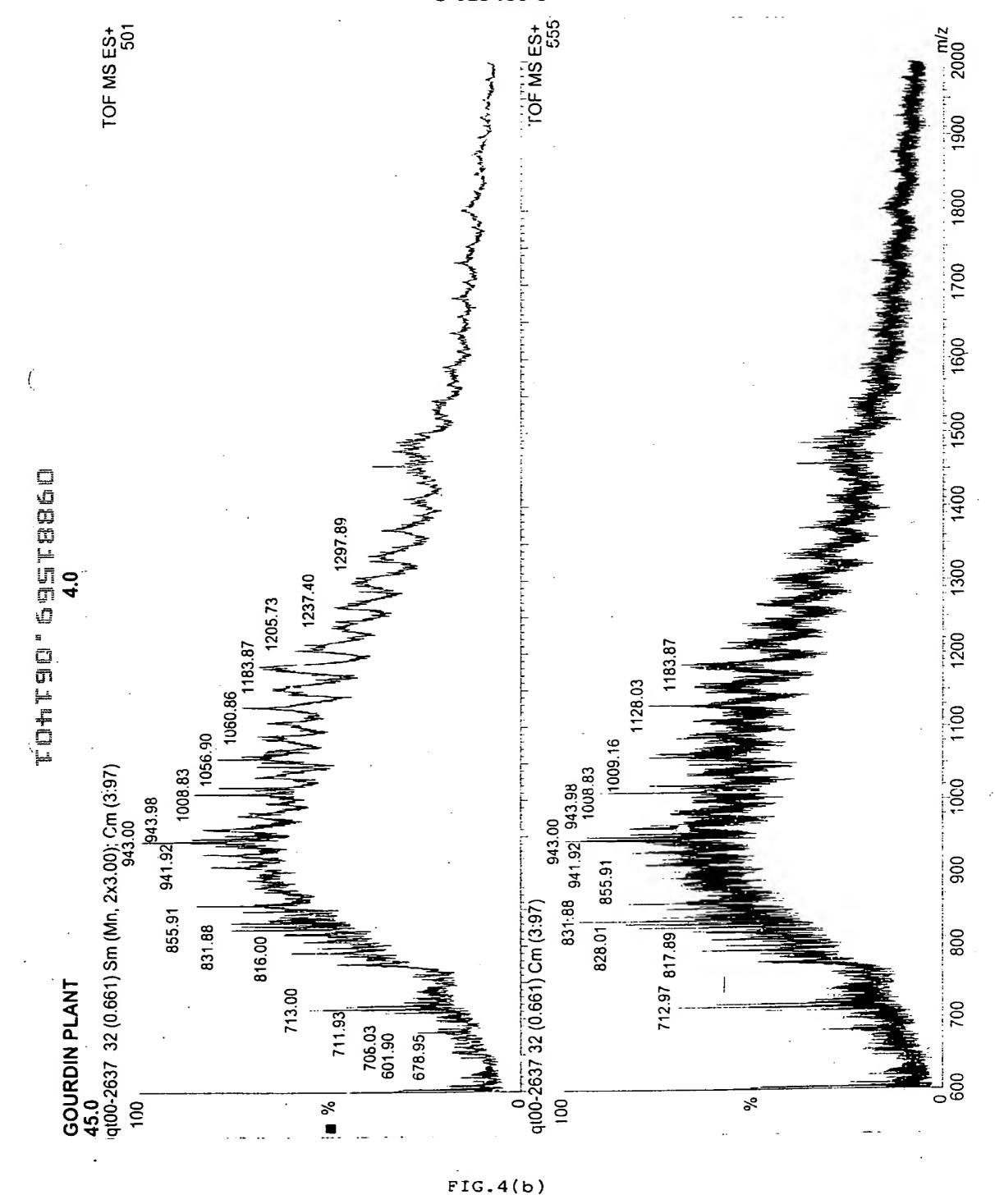
COMMENTS: Mixtures with interchangeable amino acids at positions

SEQSTD REP YIELD: NL(6,11) 97.0%

12, 13, 15-19, 25-27 and 31-34. Appears to be a mixture

of sequences.





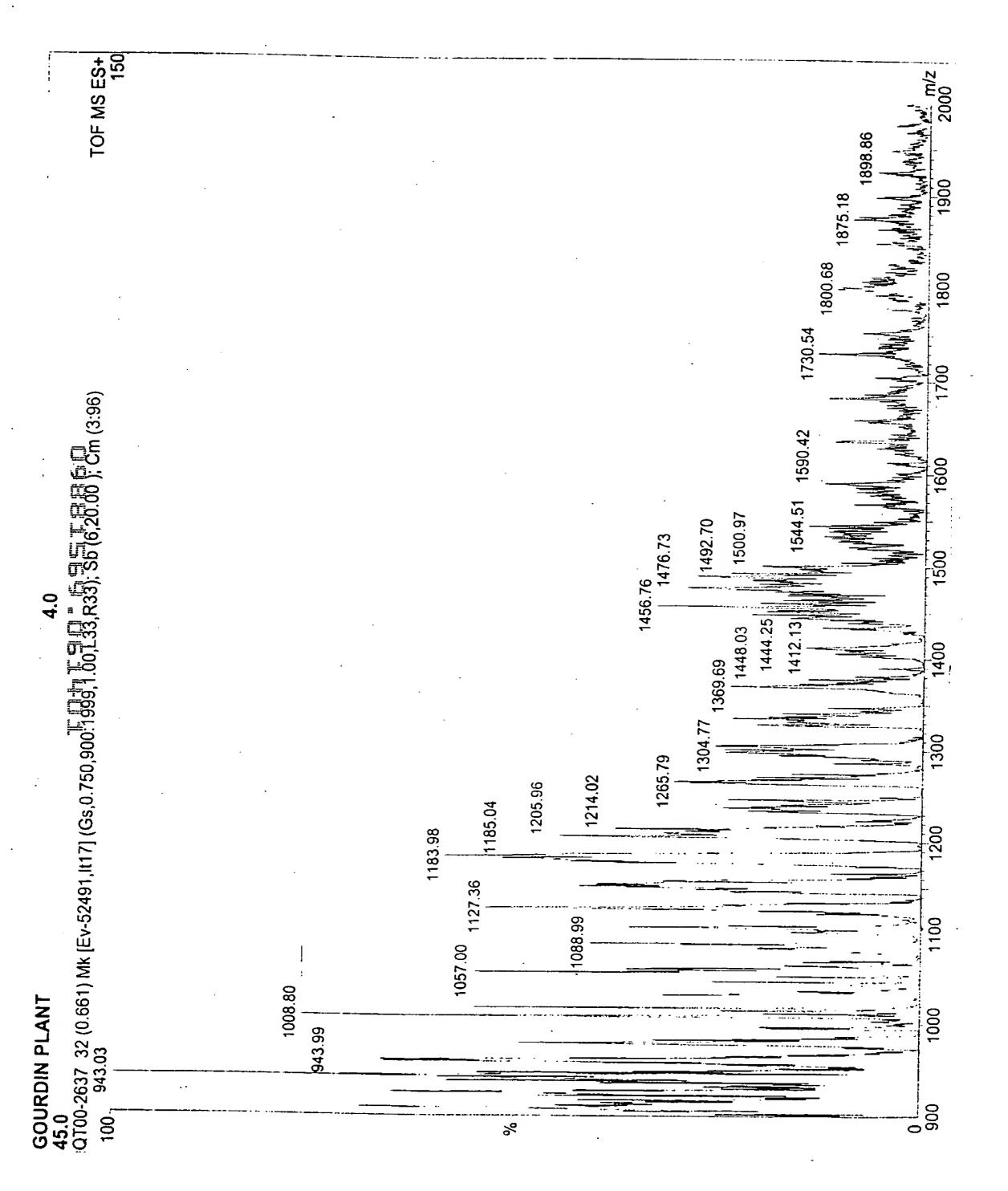
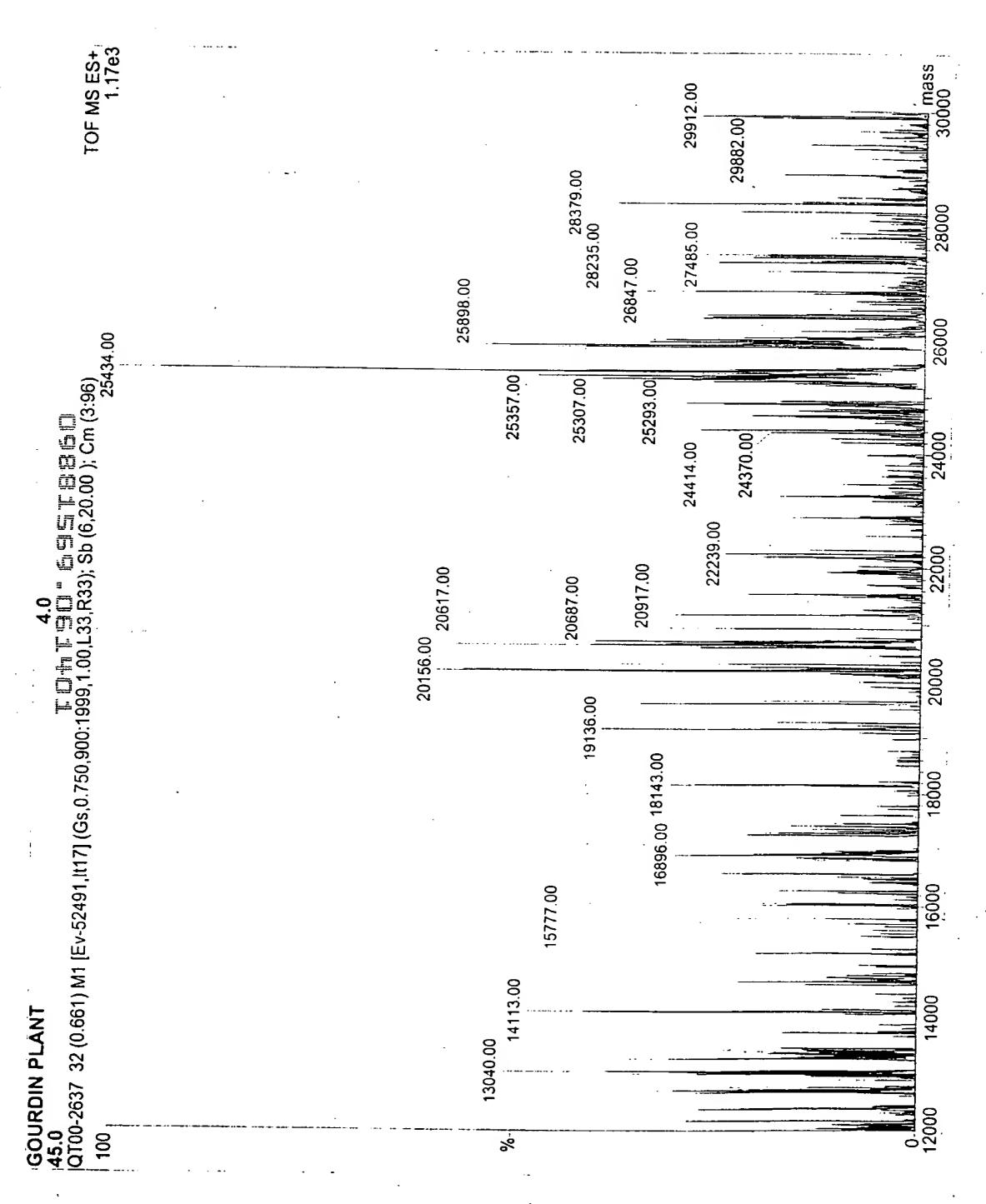


FIG.4(c)



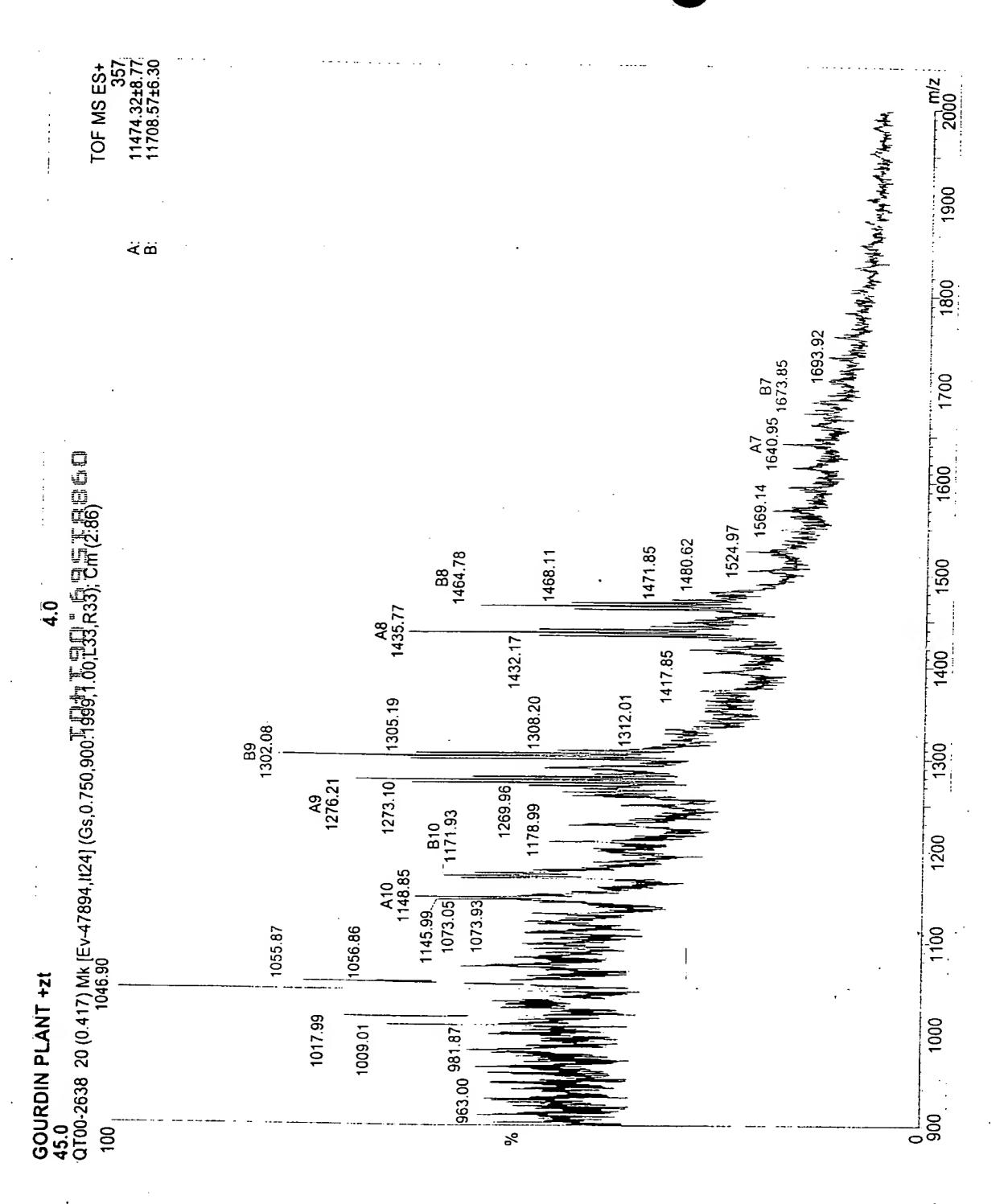
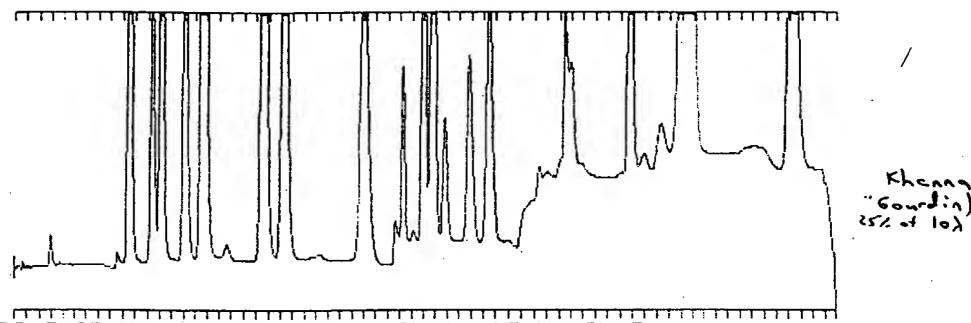


FIG.4(e)



[Interface 0] 0-68 Min Scale: 15 My Ch.A. 15 My Ch.B amino acid analysi Processed: 11-22-2000 14:26:30, segment 17, cycle 936 RAW DATA SAVED IN FILE K:AAA936.PTS Second Channel Stored in K:BAA936.PTS

EXTERNAL STANDARD TABLE # - W - JK - JK -**<u>**</u>************* 11-22-2000 14:26:33 Version 4.1 ***************** * Sample Name: amino acid analysi Data File: K:AAA936 Date: 11-22-2000 14:26:30 Method: F:REBECKA 11-22-2000 13:54:21 Interface: 0 Cycle#: 936 Operator jmc Channel#: 0 Vial#: N.A. Starting Peak Width: 21 Threshold: .5 Area Threshold: 500 Starting Delay: 0.00 Ending retention time: 5000 2.002 sec. Area reject: One sample per Am@unt injected: 1.00 Dilution factor: 1.00

Sample Weight: 1.000000

PEAK RET CONCENTRATION in AREA/ REF % DELTA PEAK NORMALIZED NUM TIME NAME HEIGHT HEIGHT BL PEAK RET TIME CONC/AREA CONC AREA naoles 2.936 cysac 20695 -1.5923.4373E-06 0.8711 0.1504% 1550 13.4 1 2 8.609 cacys -0.0110 0.08667 3566 - 696 13.7 1 4.2818E-06 9.543 asx 3.6346 7.68537 1019304 61489 16.6 1 **.**5811 3.5658E-06 4 11.378 thr 15245 .1132 3.6674E-06 1.1549 2.4420% 314316 20.7 2 21.5 2 3.4380E-06 5 12.112 ser 2.0456 4.3254% 595007 27668 6 14.081 int. std. 1.8041E-06 1.0397 576309 23599 24.4 2 2.1985% 7 15.649 glx 6.6195 13.3967% 1959672 71617 27.4 2 .1667 3.3779E-06 (2.1133) -2.9845909 34.8 2 -.28541.0314E-04 8 17.651 pro +c 75 28161 6.1414% 30.0 2 0 3.1408E-06 9 20.554 gly 7.2368% 1038728 36599 3.4509 10 22.256 ala 5.9561% 25276 3 2.8168 31.7 2 0 3.5148E-06 801412 42.7 1 28.996 val FF8 21F8 3.6541E-06 2.616 5.4358% -2.5788-703543 1649**0** 0 11 12 32.299 met 0.5625 1.1894% 9772 17.9 1 16 .0101 3.5792E-06 157161 33.166 i3 0.00800.00007 10132 523 19.4 1 0.0000E+00 -.0931 33.967 ileu 3.8314% 23330 22.3 2 16 3.4392E-06 14 1.8404 535119 34.735 leu 25.1 2 0 15 953284 38035 16 3.3255E-96 3.1701 6.7031% . 6196 35.802 nl-std. 0 1.6777E-86 18 0.2733 0.5791% 163238 26.3 2 16 37.871 tyr 3.6666E-06 17 1.0645 290327 9412 30.8 1 16 0 2.2508% 39.473 phe 3.4075% 408260 12881 0 3.9472E-06 18 1.6115 31.7 1 16

203562 سے

154147

385456

32441

102408

3568374

1016938

2.6711%

0.0000%

2.63277

0.39297

0.0000Z

13.03317

7.5273%

FIG.5(a)

8185

5442

13267

913

2246

61370

22156

24.3 2

28.3 2

23.1 2

35.5 2

45.6 2

57.7 2

45.3 1

16

16

15

16

16

6.2059E 86

0.0000E+00

3.2302E-06

5.7275E-06

0.0000E+00

1.7273E-06

3.5009E-06

0

Ø

Ø

0

0

TOTAL ANOUNT : 47,2334

(115.1)

1.2633

0.9800

1.2451

- 8.1958-

9.0008

6.1666

3.5602

19

20

21

23

24

45.479 his

50.751 lys

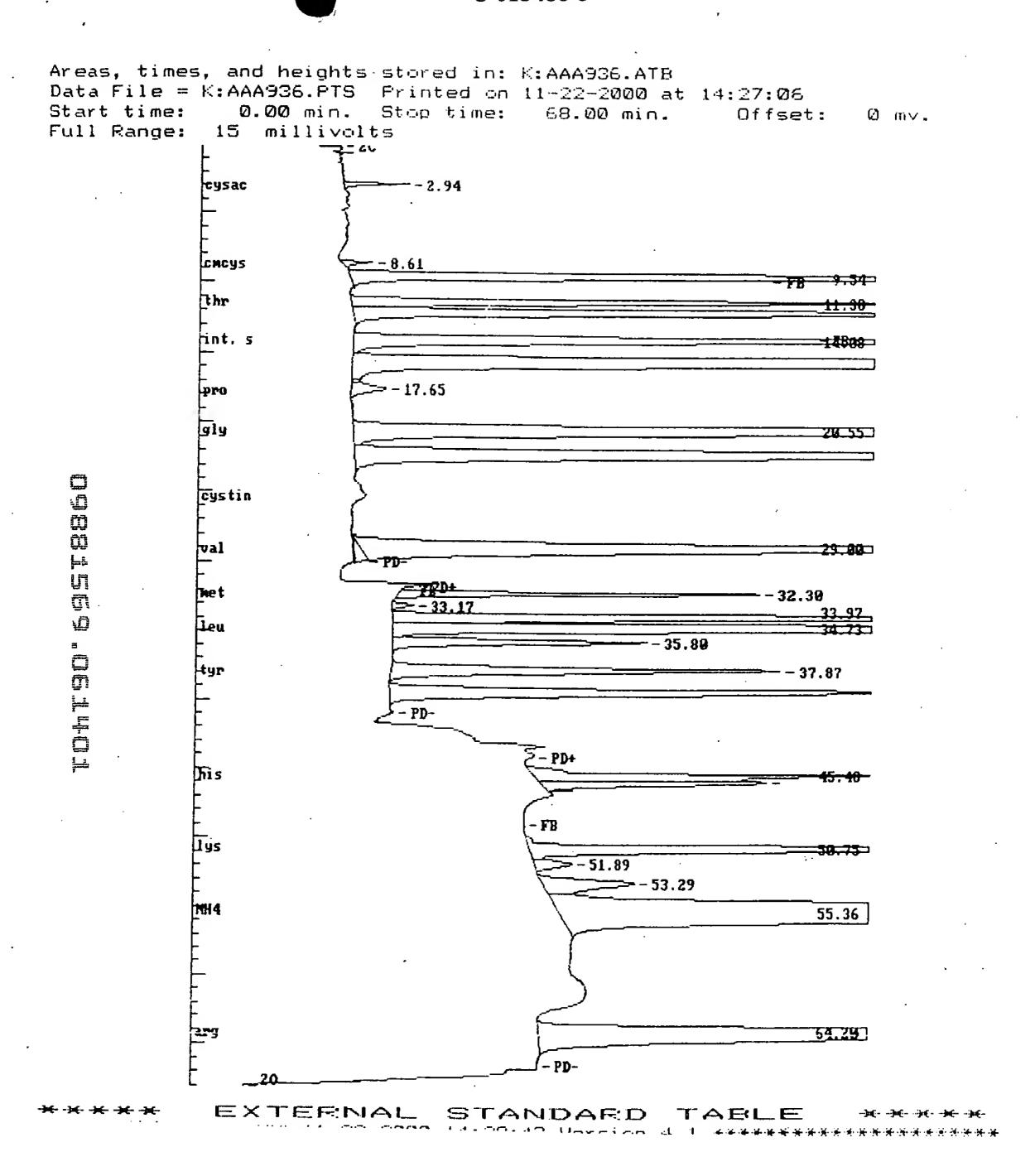
55.355 NH4

64.137 arg

46.013

22 51.885 4+9-

53.287



U 013488-3



* Sample Name: amino acid analysi Data File: K:BAA936 * Date: 11-22-2000 14:26:30 Method: F:SEBECKA 11-22-2000 13:55:21 # * Interface: 0 Cycle#: 936 Operator jmc Channel#: 1 Vial#: N.A.

* Starting Peak Width: 21 Threshold: .5 Area Threshold: 500

Starting Delay: 0.00

Area reject: 5000 Ending retention time: One sample per 2.002 sec. Dilution factor: 1.00

Amount injected:

Sample Weight:

O

1.00

1.000000

PEAK NUM	RET PEAK TIME NAME	CONCENTRATION in neoles	NORMALIZED CONC	AREA	H TH813K	AREA/ EIGHT 8L	REF PEAK	% DELTA RET TIME	CONC/AREA
ı	8.775	9.8899	0.0000%	5143	285	18.0 1			0.0000E+00
2	9.510	0.0000	0.0000%	129394	7707	16.8 1			0.9000E+00 ·
3	11.345	9.8990	0.0000%	24969	1171	21.3 2			0.9000E+00
4	12.079	0.0080	0.0809%	59196	2389	24.7 2			0.8000E+88
5	14.847	9.9990	0.0000%	47121	1978	23.8 1			0.0000E+00
6	15.616 glx	6.2317	74.6757%	375516	13802	27.2 1	7	.2393	1.6595E-05
7 '	17.651 pro+<75	(2.1133)	25.3244%	199944	6665	30.0 1	7	0	1.95708-05
8	20.554	0.0000	0.8080%	83682	2753	30.4 1			0.0000E+00
9	22.222	0.0000	0.0000%	67237	2027	33.2 1			0.8808E+88

TOTAL AMOUNT = 8.3451

Argas, times, and heights stored in: K:BAA936.ATB

Datta File = K:BAA936.PTS Printed on 11-22-2000 at 14:28:59 Offset: -95 mv.

Start time: 0.00 min. Stop time: 68.00 min. Full Range: 15 millivolts

--9.51 -11_34 29.55